

Sequence Listing

<110> Patricia Billing-Medel
Maurice Cohen
Tracey L. Colpitts
Paula N. Friedman
Julian Gordon
Edward N. Granados
Steven C. Hodges
Michael R. Klass
Jon D. Kratochvil
Lisa Roberts-Rapp
John C. Russell
Stephen D. Stroupe

<120> Reagents and Methods Useful for Detecting Diseases of the Breast

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<140> US 09/193,538
<141> 1998-11-17

<150> US 08/971,772
<151> 1997-11-17

<160> 23

<170> FastSEQ for Windows Version 3.0

<210> 1
<211> 288
<212> DNA
<213> Homo sapiens

<400> 1
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ggcccccgtca gaagacccca gggactggag agccaacctc aaaggcacca tccgtgagac 120
aggcctggag accagctccg gtgggaagct ggctggccat cagaagacgg tccccacggc 180
tcacacctgact ttgttattt actgcacccca cgggaagcag ctctccctgg cagaaccggc 240
atcaccaccc caagccccca gtcccaatcg agggttgtca ccccacca 288

<210> 2
<211> 250
<212> DNA
<213> Homo sapiens

<400> 2
gggactggag agccaacctc aaaggcacca tccgtgagac aggcctggag accagctccg 60
gtgggaagct ggctggccat cagaagacgg tccccacggc tcacacctgact ttgttattt 120
actgcacccca cgggaagcag ctctccctgg cagaaccggc atcaccaccc caagccccca 180
gtcccaatcg agggcttgta accccaccaa tgaagaccta catcgtgttc tgtggggaaa 240
actgccccca 250

<210> 3
<211> 256
<212> DNA
<213> Homo sapiens

<400> 3
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ccagggcagg gccaccctgc cgctctgcag agggctgtg gcctcagctt cttccctcagt 120
cagcccgctc tgcccccaagg agttcccga ggctaaggaa aaaccggta aggctgcggc 180
tgtgaggctctcaacttggg gaacagtcaa ggactcaactg aaagccctct cctcttgcgt 240
ctgtggcag gccgat 256

<210> 4
<211> 256
<212> DNA
<213> Homo sapiens

<400> 4
tttattttttt gggtaacttt atttatttcag ggtgggttcc ctcttccccca aaaataccag 60
ctccaggaaa accatggtat ctccccagca cttgcaggg cctggcatgt ggaagatgt 120
ccagataat ttgctgtatg aatgaatgag tctcttcatg tgcagggtac ttatcctgcc 180
tctgccactc gacggatgtt tcagatgccc cttagcggat ctaatgtatg ttccttggtc 240
caagcacaaa agactc 256

<210> 5
<211> 133
<212> DNA
<213> Homo sapiens

<400> 5
gctgttcaaa atcatttct ttatattttt ggtaacttta tttatttcagg gtgggttccc 60
tccaccccaa aaataccagc tccaggaaaa ccatggtac tccccagcac tttgcagggc 120
ctggcatgtg gaa 133

<210> 6
<211> 910
<212> DNA
<213> Homo sapiens

<400> 6
agagtggcct aggacagctc ctctcctgcc agagctaggc aggcccgaa gtagccgc 60
ggcccggtca gaagacccca gggactggag agccaacctc aaaggcacca tccgtgagac 120
aggcctggag accagctccg gtgggaagct ggctggccat cagaagacgg tccccacggc 180
tcacctgact ttgttattt actgcaccca cgggaagcag ctctccctgg cagcaaccgc 240
atcaccaccc caagcccccgtca gaagacccca gttccaaatcg agggcttgc accccaccaa tgaagaccta 300
catcggttc tggggggaaa actggccccc tcttacttcgg gtgacccca tgggtgggggg 360
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gcaattccca gggcctggcc ctgcttcccc agctaaggcag gagtctttt tgcttgagcc 660
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tcttccacat gccaggccct gcaaagtgtt ggggagatac catggtttc ctggagctgg 840
tatttttggg gtggaggggaa cccaccctga ataaataaag taacccaaata aataaagaag 900
atgattttga 910

<210> 7
<211> 915
<212> DNA
<213> Homo sapiens

<400> 7
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aggcctggag accagctccg gtgggaagct ggctggccat cagaagacgg tccccacggc 180
tcacctgact ttgttattt actgcaccca cgggaagcag ctctccctgg cagcaaccgc 240
atcaccaccc caagcccccgtca gaagacccca gttccaaatcg agggcttgc accccaccaa tgaagaccta 300
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atgccttgc caggccaggc ccacccctgccc gctctgcaga ggttcccgag gctaagggg 420
cttcccagtc agcccgctct gccccccaggaa ggttcccgag gctaagggg 480
ggctgcgcct gtgagggtttt caacttgggg aacagtcaag gactcactga aagcccttc 540
ctcttgtgtc tggggcaggcc cgatggatctt ggaaggggccg ggctctgtatg cccagaggct 600
gcaattccca gggcctggcc ctgcttcccc agctaaggcag gagtctttt tgcttgagcc 660
aaggaaacat cattagatcc gctaaggggc atctgaaaca tccgtcgagt ggcagaggca 720
ggataagtca cctgcacatg aagagactca ttcatccata cagcaaataat tactggtaca 780
tcttccacat gccaggccct gcaaagtgtt ggggagatac catggtttc ctggagctgg 840
tatttttggg gtggaggggaa cccaccctga ataaataaag taacccaaata aataaagaag 900
atgattttga acagc 915

<210> 8		
<211> 68		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Restriction site		
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agctcgaaat tccgagcttg gatcctctag agcggccgcc gactagttag ctctgtcgacc	60	
cgggaatt	68	
<210> 9		
<211> 68		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Restriction site		
<400> 9		
aattaattcc cgggtcgacg agtcactag tcggccggccg ctcttagagga tccaaagctcg	60	
gaattccg	68	
<210> 10		
<211> 24		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Universal primer		
<400> 10		
agcggataac aatttcacac agga	24	
<210> 11		
<211> 18		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Universal primer		
<400> 11		
tgtaaaacga cggccagt	18	
<210> 12		
<211> 20		
<212> DNA		
<213> Homo sapiens		
<400> 12		
ccccaccaat gaagacctac	20	
<210> 13		
<211> 20		
<212> DNA		
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<400> 13		
agaggagagg gctttcagtg	20	
<210> 14		
<211> 20		
<212> DNA		
<213> Homo sapiens		

<400> 14
ccccacagaa cacgatgttag

20

<210> 15
<211> 22
<212> DNA
<213> Homo sapiens

<400> 15
ttgtcaccccc accaatgaag ac

22

<210> 16
<211> 22
<212> DNA
<213> Homo sapiens

<400> 16
tggtatctcc ccagcacctt gc

22

<210> 17
<211> 188
<212> PRT
<213> Homo sapiens

<400> 17
Glu Trp Pro Arg Thr Ala Pro Leu Leu Pro Glu Leu Gly Arg Arg Arg
1 5 10 15
Ser Ser Arg Met Ala Pro Ser Glu Asp Pro Arg Asp Trp Arg Ala Asn
20 25 30
Leu Lys Gly Thr Ile Arg Glu Thr Gly Leu Glu Thr Ser Ser Gly Gly
35 40 45
Lys Leu Ala Gly His Gln Lys Thr Val Pro Thr Ala His Leu Thr Phe
50 55 60
Val Ile Asp Cys Thr His Gly Lys Gln Leu Ser Leu Ala Ala Thr Ala
65 70 75 80
Ser Pro Pro Gln Ala Pro Ser Pro Asn Arg Gly Leu Val Thr Pro Pro
85 90 95
Met Lys Thr Tyr Ile Val Phe Cys Gly Glu Asn Trp Pro His Leu Thr
100 105 110
Arg Val Thr Pro Met Gly Gly Cys Leu Ala Gln Ala Arg Ala Thr
115 120 125
Leu Pro Leu Cys Arg Gly Ser Val Ala Ser Ala Ser Phe Pro Val Ser
130 135 140
Pro Leu Cys Pro Gln Glu Val Pro Glu Ala Lys Gly Lys Pro Val Lys
145 150 155 160
Ala Ala Pro Val Arg Ser Ser Thr Trp Gly Thr Val Lys Asp Ser Leu
165 170 175
Lys Ala Leu Ser Ser Cys Val Cys Gly Gln Ala Asp
180 185

<210> 18
<211> 21
<212> PRT
<213> Homo sapiens

<400> 18
Arg Ser Ser Arg Met Ala Pro Ser Glu Asp Pro Arg Asp Trp Arg Ala
1 5 10 15
Asn Leu Lys Gly Thr
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<210> 19
<211> 19
<212> PRT
<213> Homo sapiens

<400> 19
Met Gly Gly Gly Cys Leu Ala Gln Ala Arg Ala Thr Leu Pro Leu Cys
1 5 10 15
Arg Gly Ser

<210> 20
<211> 35
<212> PRT
<213> Homo sapiens

<400> 20
Leu Cys Pro Gln Glu Val Pro Glu Ala Lys Gly Lys Pro Val Lys Ala
1 5 10 15
Ala Pro Val Arg Ser Ser Thr Trp Gly Thr Val Lys Asp Ser Leu Lys
20 25 30
Ala Leu Ser
35

<210> 21
<211> 19
<212> PRT
<213> Homo sapiens

<400> 21
Arg Glu Thr Gly Leu Glu Thr Ser Ser Gly Gly Lys Leu Ala Gly His
1 5 10 15
Gln Lys Thr

<210> 22
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Affinity purification system recognition site

<400> 22
Asp Tyr Lys Asp Asp Asp Asp Lys
1 5

<210> 23
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Affinity purification system recognition site

<400> 23
Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu Asn Met His Thr Glu His
1 5 10 15
His His His His
20